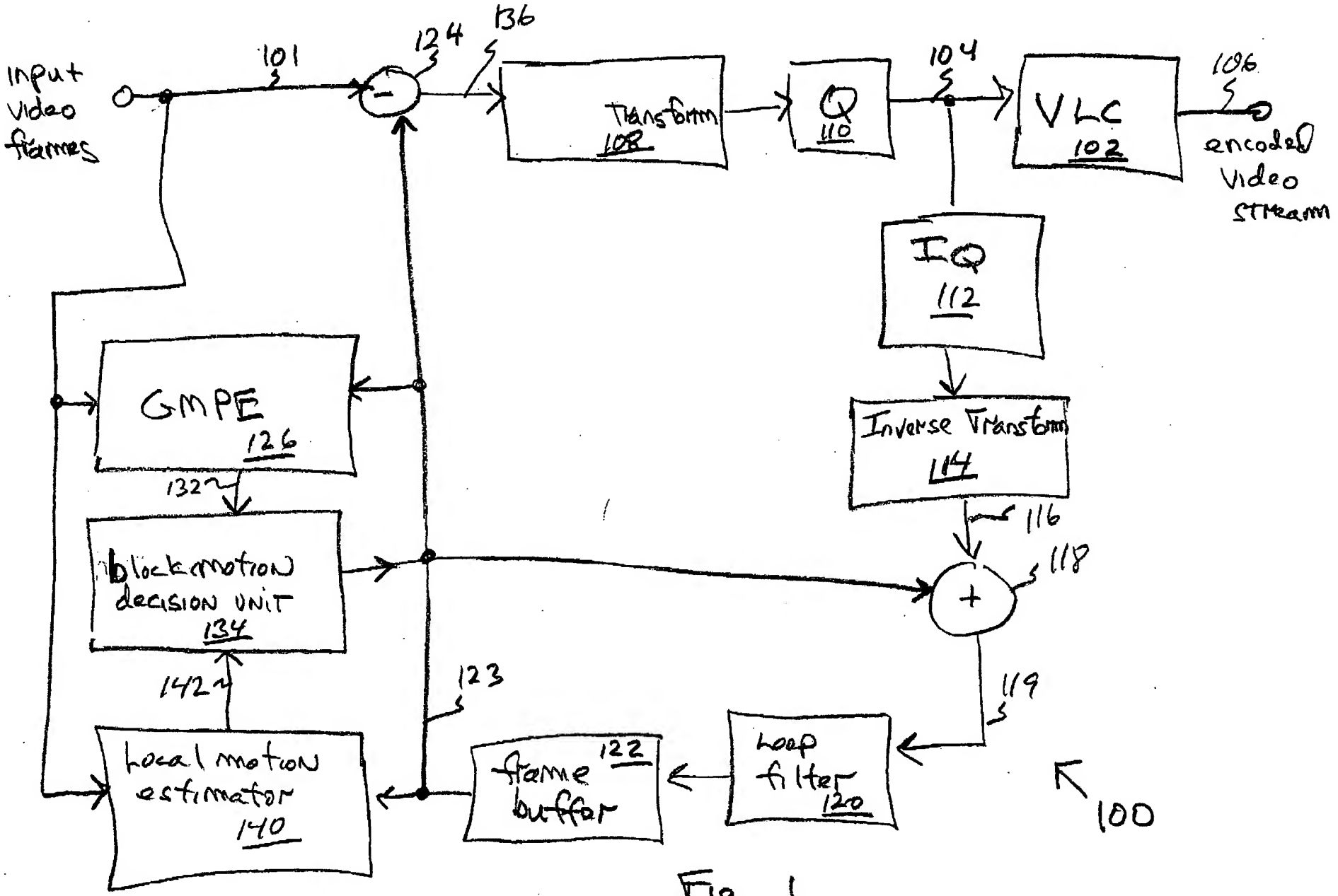

input video frames
101
124
136
Transform 108
Q 110
104
VLC 102
106
encoded video stream
IQ 112
GMPE 126
132
block motion decision unit 134
142
Inverse Transform 114
116
118
+
119
123
local motion estimator 140
frame buffer 122
loop filter 120
100

Fig. 1

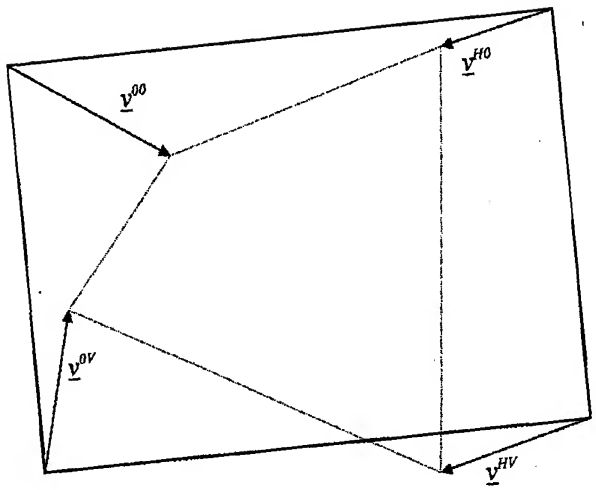


Fig. 2

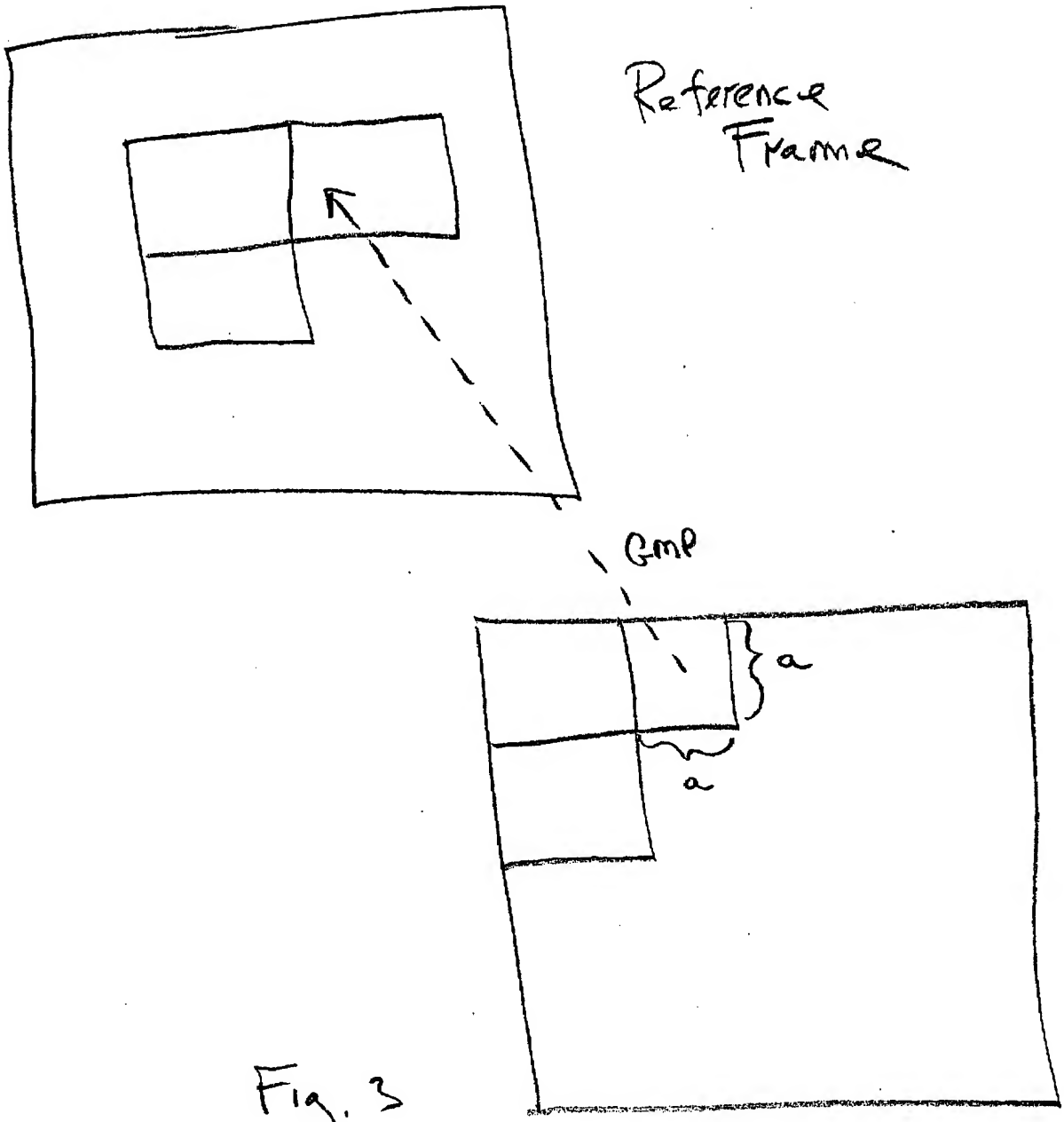


Fig. 3

Fig. 4a

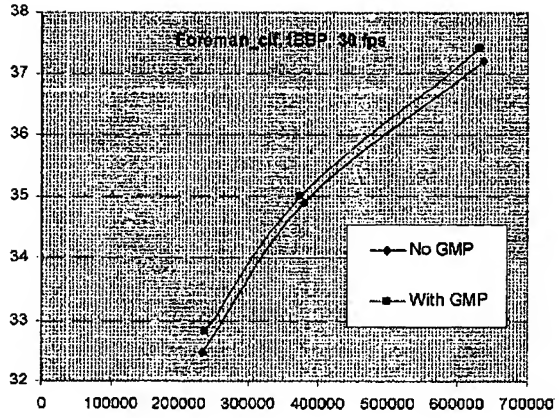
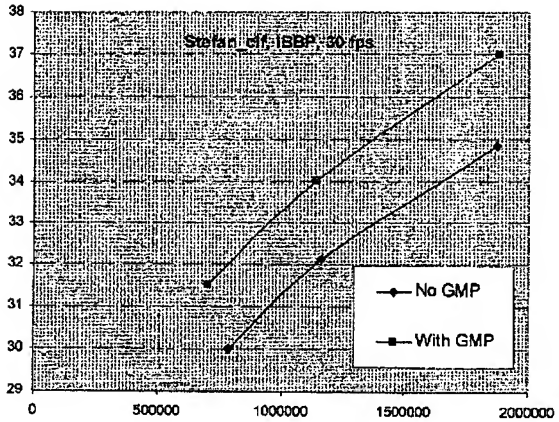


Fig. 4b



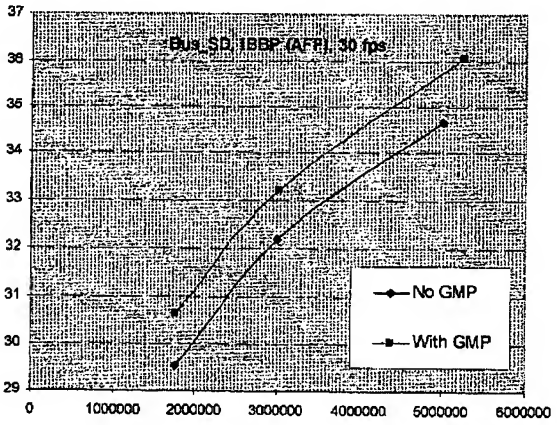


Fig. 4c

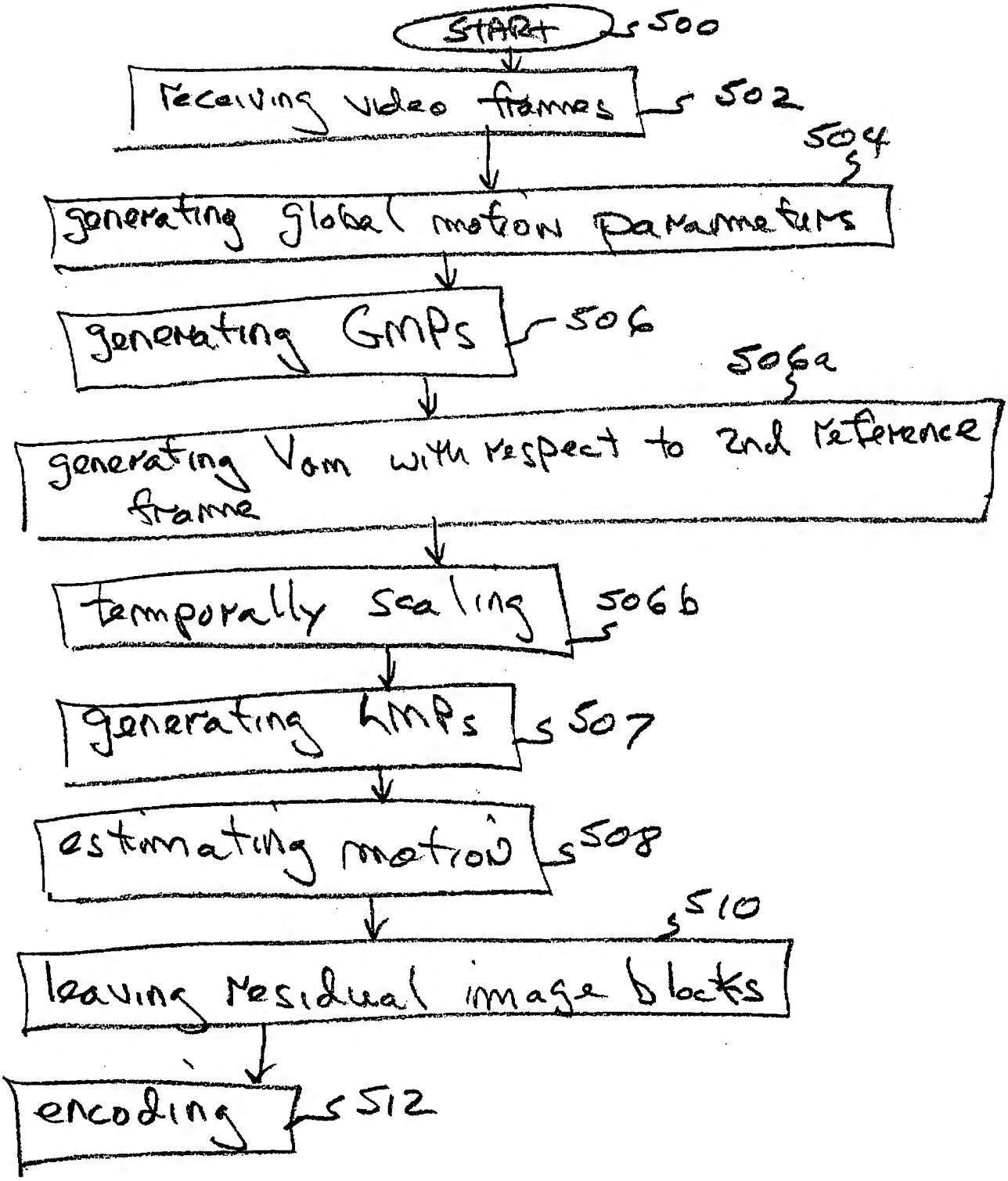

START
500
Receiving video frames
502
504
generating global motion parameters
generating GMPs
506
506a
generating Vom with respect to 2nd reference frame
temporally scaling
506b
generating LMPs
507
estimating motion
508
510
leaving residual image blocks
encoding
512

Fig. 5